

What is claimed is:

1. A coating composition for formation of a self-layering or self-coating lacquer system, comprising:  
water; and  
at least two components selected from the group consisting of a resin, an oligomer, and a polymer, the at least two components being emulsified or dispersed in the water and each of the at least two components having a different surface tension, wherein one of the at least two components is radiation-hardenable, and wherein a difference in the surface tensions of the at least two components is greater than 5 mN/m.
2. The coating composition as recited in claim 1, wherein the at least two components are thermally dried or hardened by radiation.
3. The coating composition as recited in claim 2, wherein the at least two components are hardened by at least one of UV radiation, NIR radiation and IR radiation.
4. The coating composition as recited in claim 2, wherein the at least two components are dried by microwave drying.
5. The coating composition as recited in claim 1, wherein the resin and the polymer are selected from the group consisting of aminoplasts, epoxy resins, phenolic resins, polyurethane resins, polyester resins, polyvinyl acetate, amine resins, and alkyd resins.
6. The coating composition as recited in claim 5, wherein the alkyd resins include fluorine- or silicon-containing resins.
7. The coating composition as recited in claim 1, further comprising at least one starter for a radiation-induced radical polymerization.

8. The coating composition as recited in claim 1, wherein at least one of the at least two components has a surface tension lying in a range from 20 to 35 mN/m.
9. The coating composition as recited in claim 1, wherein of the components is formed by a clear lacquer.
10. A lacquer coating produced from a coating composition as recited in claim 1, wherein one of the at least two components forms a clear lacquer coating having a thickness of 1  $\mu\text{m}$  to 100  $\mu\text{m}$  and wherein another of the at least two components forms a coloring coating having a thickness of 5  $\mu\text{m}$  to 100  $\mu\text{m}$ .
11. A lacquer coating, produced from a coating composition as recited in claim 1, wherein one of the at least two components forms a filler material layer and wherein another of the at least two components forms one of a base lacquer and a coating lacquer.
12. A method of coating a surface of an automobile part or component, the method comprising:
  - providing a coating composition according to claim 1;
  - using the coating composition to coat the surface of the automobile part or component.
13. A method for manufacturing a self-coating or self-layering lacquer coating, the method comprising:
  - introducing a first component in water so as to emulsify or disburse the first component in the water in a first mixture;
  - introducing a second component in water so as to emulsify or disburse the second component in the water in a second mixture, wherein each of the at least two different components are selected from the group consisting of a resin, a polymer, and an oligimer;
  - adding a UV hardener to at least one of the first and second mixtures;
  - mixing the first and second mixtures to form a coating;
  - applying the coating to an object;
  - pre-drying the coating; and

performing a final drying of the coating including at least one radiation treatment using UV light.

14. The method as recited in claim 13, wherein the applying is performed by doctor blading, electrostatically or pneumatically.